

Best Practices Extended Cuts Remote Control Miners BP Card No. 24



Sixty-two percent of machinery accidents involving continuous miners were operated by remote control. There were eight remote control miner fatalities from 1990 to 1995.

Follow these practices when mining extended cuts:

- Include extended cut procedures and precautions in the training plan. All affected persons should receive this instruction prior to beginning extended cut mining and in task training and annual refresher training.
- Do not go inby the last two rows of permanent support except for gas checks, and then only to the last row of bolts.
- Identify the next to last row of bolts by reflectors, lights, etc., to prevent persons from inadvertently going inby supported top.
- Take extended cuts only in areas with competent roof conditions.
- Know and follow the roof control plan requirements for taking extended cuts, especially the maximum depth of the cut.
- Place a reference mark on the continuous miner to show when the maximum cut depth has been reached.
- Do not leave extended cuts standing unsupported for prolonged periods of time.
- Use additional roof supports within the last two rows of supports to prevent an unexpected fall from overriding these supports. These include extra bolts, planks, straps, etc.
- Wear reflective clothing as outer garments.
- Take shorter cuts when adverse roof conditions are encountered.
- Do not go inby the continuous miner operator except when required to operate the coal haulage equipment at the face.
- Be aware of the location of haulage equipment when they approach the continuous miner.
- Always be sure that everyone is in a safe location when starting the continuous miner.
- Do not position yourself anywhere beside the continuous miner during tramming operations. (This should keep persons away from any possible pinch points.)
- Ensure that all persons are beyond the continuous miner's turning radius during remote control tramming.
- Be aware that wet and muddy floor conditions, dips, and rolls can cause sudden, unexpected movement of any machine.
- Avoid visibility problems when tramming the miner.
- Don't set the remote control unit on the continuous miner while operating it.
- Ensure that all remote control continuous miners on the section are on separate frequencies. This applies to all remote control equipment on a section.
- Make sure any spare transmitter kept underground is in a secure location to avoid inadvertent operation.
- Take extra precautions when taking the first lift of a crosscut; operator position is critical.
- Ensure a crosscut is permanently supported (roof bolted) prior to taking a cut inby or starting the proposed opposite crosscut. (No work or travel shall be inby an unsupported crosscut other than when required for safety exams.)
- If a continuous miner breaks down inby permanent roof support, properly support the roof before repairs are made.
- Lock, tag out, and block all mining equipment before attempting repairs.

U.S. Department of Labor
Mine Safety and Health Administration
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